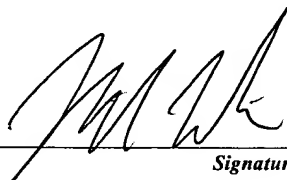


<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b> Applicant(s): K. Hayashi, et al.				Docket No. 02230028AA					
Serial No. 09/916,529	Filing Date July 30, 2001	Examiner W. Klimowicz	Group Art Unit 2652						
Invention: MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM									
<u>TO THE COMMISSIONER FOR PATENTS:</u>				<b>RECEIVED</b>					
Transmitted herewith is an amendment in the above-identified application.				APR 30 2004					
The fee has been calculated and is transmitted as shown below.				Technology Center 2600					
CLAIMS AS AMENDED									
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE				
TOTAL CLAIMS	8 -	63 =	0 x	\$18.00	\$0.00				
INDEP. CLAIMS	2 -	8 =	0 x	\$86.00	\$0.00				
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00				
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00				
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-2041 <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.									
 Signature			Dated: April 28, 2004						
Michael E. Whitham Reg no. 32,635 Whitham, Curtis & Christofferson, P.C. 11491 Sunset Hills Road, Suite 340 Reston, Virginia 20190 703-787-9400 Customer number: 30743			<table border="1"><tr><td>I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37C.F.R. 1.8 and is addressed to the _____ for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</td></tr><tr><td>Signature of Person Mailing Correspondence</td></tr><tr><td>HAND DELIVERED</td></tr><tr><td>Typed or Printed Name of Person Mailing Correspondence</td></tr></table>			I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37C.F.R. 1.8 and is addressed to the _____ for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	Signature of Person Mailing Correspondence	HAND DELIVERED	Typed or Printed Name of Person Mailing Correspondence
I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37C.F.R. 1.8 and is addressed to the _____ for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.									
Signature of Person Mailing Correspondence									
HAND DELIVERED									
Typed or Printed Name of Person Mailing Correspondence									
cc:									



- 1 -

AF/2652

01FN046US

**AFTER FINAL: EXPEDITED ACTION**

02230028aa

Amendment dated 04/28/2004

Reply to office action mailed 03/11/2004

#20/C  
(NE)  
mg  
5/10/04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Kazuhiko Hayashi, et al.

Serial No. 09/916,529

Group Art Unit 2652

Filed July 30, 2001

Examiner W. Klimowicz

For MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETO-  
RESISTANCE EFFECT HEAD, MAGNETO-RESISTANCE  
TRANSDUCER SYSTEM, AND MAGNETIC STORAGE SYSTEM

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECEIVED**

APR 30 2004

Technology Center 2600

AMENDMENT UNDER 37 C.F.R. §1.116

Sir:

In response to the Office Action mailed March 11, 2004, please amend the  
above-identified patent application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are indicated by the notation "currently amended" in the  
listing of claims beginning on page 3 of this paper.

**Remarks** begin on page 6 of this paper.

BOX "AF"  
RESPONSE UNDER 37 C.F.R. § 1.116  
---EXPEDITE PROCEDURE---  
EXAMINING GROUP 2652

Do  
not  
enter  
LK  
5904